•		APR 0 1 2005	19 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ee(s), to: <u>Ma</u> or <u>Fa</u>	Commissioner f P.O. Box 1450 Alexandria, Vir ax (703) 746-4000	for Patents ginia 22313-1450	<u> </u>
approj indica maint	priate. All further conted unless corrected enance fee notification	rrespondence including in including in including in including incl	Patent, advance of in Block 1, by (a	ders and notifically of the specifying a n	publication FEE (if requation of maintenance fees new correspondence address	uired). Blocks I through 5 s will be mailed to the current s; and/or (b) indicating a sepa	hould be completed whe correspondence address arate "FEE ADDRESS":
cui	CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address				Note: A certificate of Fee(s) Transmittal. T	of mailing can only be used for his certificate cannot be used	or domestic mailings of
	23400 7	590 01/10/2005			papers. Each addition	nal paper, such as an assignmente of mailing or transmission.	ent or formal drawing, m
P	OSZ & BETHA	ARDS, PLC				ertificate of Mailing or Trans	rmission
11250 ROGER BACON DRIVE SUITE 10					I hereby certify that this Fee(s) Transmittal is being deposited with the Unit		
					I hereby certify that this Fee(s) Transmittal is being deposited with the Unit States Postal Service with sufficient postage for first class mail in an enveloy addressed to the Mail Stop ISSUE FEE address above, or being facsimit transmitted to the USPTO (703) 746-4000, on the date indicated below.		
N 05/20	ESTON, VA 201 <b>05 MBEYENE2 0000</b>	90 10111 09944118			transmitted to the US	PTO (703) 746-4000, on the c	
							(Depositor's nan
FC:15	1501 1400.00 OP 1504 300.00 OP					<u> </u>	(Signatu
FC:80	01	3.00 OP					(Da
A	PPLICATION NO.	FILING DATE		FIRST NAMED I	NVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	09/944,118	09/04/2001		Takaharu Hu	utamura	11-058	1726
	OF INVENTION: R			·			
	APPLN. TYPE nonprovisional	SMALL ENTITY  NO	ISSUE F	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
	APPLN. TYPE	SMALL ENTITY	ISSUE F	EE O	PUBLICATION FEE \$300		DATE DUE 04/11/2005
	APPLN. TYPE nonprovisional EXAM	SMALL ENTITY NO	ISSUE F \$1400	EE O	PUBLICATION FEE	TOTAL FEE(S) DUE	
1. Cha	APPLN. TYPE nonprovisional EXAN NGUYEN	SMALL ENTITY NO MINER	ISSUE F \$1400 ART UN 2836	EE O	PUBLICATION FEE \$300 CLASS-SUBCLASS	TOTAL FEE(S) DUE \$1700	04/11/2005
i. Cha	APPLN. TYPE nonprovisional  EXAN NGUYEN  inge of correspondence. 363).	NO MINER N, DANNY se address or indication of "Fe	ISSUE F \$1400 ART UN 2836 ee Address" (37	EE  O  III  2. For printin  (1) the name	PUBLICATION FEE \$300 CLASS-SUBCLASS 361-100000	TOTAL FEE(S) DUE \$1700  list ent attomeys 1 Posz L	04/11/2005 aw Group, PLC
1. Cha CFR 1	APPLN. TYPE  nonprovisional  EXAN  NGUYEN  nge of correspondence. 363).  Change of corresponderss form PTO/SB/1  "Fee Address" indica	SMALL ENTITY NO MINER N, DANNY De address or indication of "Feddence address (or Change of C22) attached. Tion (or "Fee Address" Indication (or "Fee Address" Ind	ISSUE F \$1400 ART UN 2836 se Address" (37 Correspondence	2. For printin (1) the name or agents OR (2) the name	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  and on the patent front page, es of up to 3 registered pate, alternatively, es of a single firm (having as	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ Less a member a 2	04/11/2005 aw Group, PLC
i. Cha CFR i Add	APPLN. TYPE  nonprovisional  EXAN  NGUYEN  nge of correspondence. 363).  Change of corresponderss form PTO/SB/1  "Fee Address" indica	NO MINER N, DANNY se address or indication of "Fe	ISSUE F \$1400 ART UN 2836 se Address" (37 Correspondence	2. For printin (1) the name or agents OR (2) the name registered at 2 registered	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  ng on the patent front page, es of up to 3 registered pate R, alternatively,	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ Letter attorneys 2 enter a member a mes of up to	
1. Cha CFR 1 Add	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  nge of correspondence. 363).  Change of corresponders form PTO/SB/1  "Fee Address" indica 0/SB/47; Rev 03-02  mber is required.	SMALL ENTITY NO  MINER  N, DANNY  De address or indication of "Feddence address (or Change of C22) attached.  Tion (or "Fee Address" Indication (or "Fee Address"	ISSUE F \$1400 ART UN 2836 se Address" (37 Correspondence tion form of a Customer	2. For printin (1) the name or agents OR (2) the name registered at 2 registered listed, no nar	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  ng on the patent front page, es of up to 3 registered pate, alternatively, of a single firm (having as tomey or agent) and the na patent attorneys or agents. I me will be printed.	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ Letter attorneys 2 enter a member a mes of up to	04/11/2005 aw Group, PLC
1. Cha CFR 1 Ad PTI Nu 3. ASS	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  nge of correspondence. 363).  Change of correspondress form PTO/SB/1  "Fee Address" indica 0/SB/47; Rev 03-02  mber is required.  SIGNEE NAME AND	SMALL ENTITY  NO  MINER  N, DANNY  The address or indication of "Feddence address (or Change of 0.22) attached.  The address of the address indication (or "Fee Address" Indication (or "Fee A	ISSUE F \$1400  ART UN 2836  de Address" (37  Correspondence tion form of a Customer  E PRINTED ON T	2. For printin (1) the name or agents OR (2) the name registered at 2 registered at 1 listed, no nar	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  and on the patent front page, es of up to 3 registered pate, alternatively, et of a single firm (having astorney or agent) and the na patent attorneys or agents. I me will be printed.	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ Letter attorneys 2 enter a member a mes of up to	04/11/2005 aw Group, PLC
1. Cha CFR 1 Add	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  nge of correspondence. 363).  Change of correspondress form PTO/SB/1  "Fee Address" indica 0/SB/47; Rev 03-02  mber is required.  SIGNEE NAME AND	SMALL ENTITY  NO  MINER  I, DANNY  Re address or indication of "Feddence address (or Change of 022) attached.  tion (or "Fee Address" Indication (or "Fee Address	ISSUE F \$1400  ART UN 2836  The Address" (37  Correspondence tion form of a Customer  E PRINTED ON The control of this form is NO	2. For printin (1) the name or agents OR (2) the name registered at 2 registered ilisted, no nar (THE PATENT () data will appear T a substitute for	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  and on the patent front page, es of up to 3 registered pate, alternatively, et of a single firm (having astorney or agent) and the na patent attorneys or agents. I me will be printed.	TOTAL FEE(S) DUE \$1700  list ent attorneys a member a mes of up to if no name is gnee is identified below, the designed in the designer is identified below, the designer is identified below.	04/11/2005 aw Group, PLC
1. Chance CFR 1 Add Add Add Add Add Add Add Add Add A	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  nge of correspondence. 363).  Change of corresponderess form PTO/SB/1  "Fee Address" indica 0/SB/47; Rev 03-02  mber is required.  SIGNEE NAME AND  EASE NOTE: Unless ordation as set forth in	SMALL ENTITY  NO  MINER  N, DANNY  The address or indication of "Feddence address (or Change of 022) attached.  The address of indication of "Feddence address" Indication (or "Fee Address" Indication (or "Fee Address" Indication of more recent) attached. Use of RESIDENCE DATA TO Bis an assignee is identified bein 37 CFR 3.11. Completion of the instance of the inst	ISSUE F \$1400  ART UN  2836  The Address" (37  Correspondence tion form of a Customer  E PRINTED ON Tolow, no assignee of this form is NO	2. For printin (1) the name or agents OR (2) the name registered at 2 registered ilisted, no nar (THE PATENT () data will appear T a substitute for	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  ag on the patent front page, es of up to 3 registered pate, alternatively, of a single firm (having astomey or agent) and the na patent attorneys or agents. I me will be printed.  print or type)  r on the patent. If an assign filing an assignment.	TOTAL FEE(S) DUE \$1700  list ent attorneys a member a mes of up to if no name is gnee is identified below, the designed in the designer is identified below, the designer is identified below.	04/11/2005 aw Group, PLC
1. Chance CFR 1 Add Add PTT Nu PTC Nu (A)	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  Inge of correspondence. 363).  Change of corresponderess form PTO/SB/1  "Fee Address" indica O/SB/47; Rev 03-02 mber is required.  BIGNEE NAME AND EASE NOTE: Unless ordation as set forth in NAME OF ASSIGN  ENSO COPPORA	SMALL ENTITY NO MINER N, DANNY The address or indication of "Feddence address (or Change of 0 22) attached. The ad	ISSUE F \$1400  ART UN  2836  The Address" (37  Correspondence tion form to fa Customer  E PRINTED ON Tolow, no assignee of this form is NO (E)	2. For printin (1) the name or agents OR (2) the name registered at 2 registered at 12 registered at 2 resistered at 3 registered of 1 isted, no nar THE PATENT (1) data will appear T a substitute for SI RESIDENCE:	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  ag on the patent front page, es of up to 3 registered pate, alternatively, of a single firm (having as tomey or agent) and the na patent attorneys or agents. I me will be printed.  print or type)  r on the patent. If an assign filing an assignment.  c (CITY and STATE OR COV), Japan	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ Letter attorneys 2 enter of up to 1 fino name is 3 enter is identified below, the disputation of	04/11/2005  aw Group, PLC
i. Cha CFR i Add PTT Nu 3. ASS PLI rec (A)	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  Inge of correspondences. 363).  "Fee Address" indica O/SB/47; Rev 03-02 mber is required.  EIGNEE NAME AND EASE NOTE: Unless ordation as set forth in NAME OF ASSIGN  ENSO COPPORA  check the appropriate of following fee(s) are	SMALL ENTITY  NO  MINER  N, DANNY  The address or indication of "Feddence address (or Change of 022) attached. The attached or more recent) attached. Use the ansignee is identified bein 37 CFR 3.11. Completion of the assignee category or category or category.	ISSUE F \$1400  ART UN 2836 The Address" (37  Correspondence tion form of a Customer  E PRINTED ON The control of this form is NO (E)  (E)  This form is NO (E)  This form is NO (E)	2. For printin (1) the name or agents OR (2) the name registered at 2 registered at 12 registered at 2 resistered at 3 registered of 1 isted, no nar THE PATENT (1) data will appear T a substitute for SI RESIDENCE:	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  Ing on the patent front page, es of up to 3 registered pate, alternatively, e of a single firm (having as tomey or agent) and the na patent attorneys or agents. I me will be printed.  print or type)  If on the patent. If an assignment.  If (CITY and STATE OR COME), Japan  ent): Individual	TOTAL FEE(S) DUE \$1700  list ent attorneys a member a mes of up to if no name is gnee is identified below, the designed in the designer is identified below, the designer is identified below.	04/11/2005  aw Group, PLC
1. ChacFr 1 Add PTT Nu 3. ASS PLI rec (A)	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  Inge of correspondence, 363).  Change of corresponderess form PTO/SB/1  "Fee Address" indicated on the second of	SMALL ENTITY NO  MINER  N, DANNY  The address or indication of "Feddence address (or Change of Octoor of the Completion	ISSUE F \$1400  ART UN 2836  The Address" (37  Correspondence tion form of a Customer  E PRINTED ON The control of this form is NO (E)  The control of this form is NO (E)	2. For printin (1) the name or agents OR (2) the name registered at 2 registered at 2 registered at 7 a substitute for 8) RESIDENCE: Kariya-city inted on the pate	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  Ing on the patent front page, es of up to 3 registered pate, alternatively, e of a single firm (having as tomey or agent) and the na patent attorneys or agents. I me will be printed.  print or type)  If on the patent. If an assignment.  If (CITY and STATE OR COME), Japan  ent): Individual	TOTAL FEE(S) DUE \$1700  list ent attorneys 1 POSZ List ent attorneys 2 enter of up to 1 f no name is 3 enter is identified below, the displayment of the private group of the group of the private group of the private group of the private group of the	04/11/2005  aw Group, PLC
1. Cha CFR 1 Add Add PTC Nu 3. ASS PLI rec (A)	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  nge of correspondence. 363).  Change of corresponderess form PTO/SB/1  "Fee Address" indication of the control of the correspondence of the corresponders form PTO/SB/1  "Fee Address" indication of the corresponder is required.  SIGNEE NAME AND EASE NOTE: Unless ordation as set forth in NAME OF ASSIGN  ENSO COPPORA  check the appropriate of following fee(s) are lissue Fee  Publication Fee (No. 1997).	SMALL ENTITY NO  MINER  N, DANNY  Re address or indication of "Feddence address (or Change of Oz2) attached.  The address of indication of "Feddence address" Indication (or "Fee Address" Ind	ISSUE F \$1400  ART UN 2836  The Address" (37  Correspondence tion form of a Customer  E PRINTED ON The control of this form is NO (E)  The control of this form is NO (E)	2. For printin (1) the name or agents OR (2) the name registered all sted, no nar THE PATENT (1) data will appear T a substitute for B) RESIDENCE: Kariya-city inted on the pate D. Payment of Fe	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  and on the patent front page, so of up to 3 registered pate to	Ilist POSZ Line at attorneys 1 POSZ Line at member a mes of up to if no name is 3 pence is identified below, the distribution or other private grant attorneys at a member a mes of up to it is identified below, the distribution or other private grant attached.	04/11/2005  aw Group, PLC  locument has been filed  oup entity Government
1. Cha CFR 1 Add Add PTC Nu 3. ASS PLI rec (A)	APPLN. TYPE  nonprovisional  EXAM  NGUYEN  Inge of correspondence, 363).  Change of corresponderess form PTO/SB/1  "Fee Address" indicated on the second of	SMALL ENTITY NO  MINER  N, DANNY  Re address or indication of "Feddence address (or Change of Oz2) attached.  The address of indication of "Feddence address" Indication (or "Fee Address" Ind	ISSUE F \$1400  ART UN 2836  The Address" (37  Correspondence tion form of a Customer  E PRINTED ON The control of this form is NO (E)  The control of this form is NO (E)	2. For printin (1) the name or agents OR (2) the name registered all sted, no nar THE PATENT (1) data will appear T a substitute for B) RESIDENCE: Kariya-city inted on the pate D. Payment of Fe	PUBLICATION FEE \$300  CLASS-SUBCLASS  361-100000  and on the patent front page, so of up to 3 registered pate to	Itst POSZ Length at the private grant attorneys 1 Posz Length attorneys 2 Posz Length attorneys 3 Posz Length attorneys 3 Posz Length attorneys 3 Posz Length attorneys 3 Posz Length attorneys 5 Posz	04/11/2005  aw Group, PLC  locument has been filed  oup entity Government

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Typed or printed name David G. Posz

Authorized Signature

Date April 1, 2005

Registration No. 37,701



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

anlicants HUTAMURA et al.

Serial No.: 09/944,118

Filed: September 4, 2001

Title: REDUCED CURRENT AND

POWER CONSUMPTION STRUCTURE

OF DRIVE CIRCUIT

Atty. Dkt.: 11-058-RCE

Art Unit: 2836

Examiner: NGUYEN, Danny

Allowed: January 10, 2005 Confirmation No.: 1726

Commissioner for Patents Alexandria, VA 22314 Mail Stop Issue Fee April 1, 2005

## **ISSUE FEE TRANSMITTAL LETTER**

Sir:

Enclosed are one original and one copy of an executed Issue Fee Transmittal Form PTOL-85B for the above allowed patent application, as well as a check in the amount of \$1703.00 for payment of the requisite issue fee, publication fee and fee for one printed copy of patent.

Authorization is hereby given to charge any fee deficiencies or credit any overpayment to Deposit Account 50-1147.

Respectfully submitted,

David G. Posz

Reg. No. 37,701

DGP/moa Posz Law Group, PLC 12040 South Lakes Drive, Suite 101 Reston, VA 20191 (703)707-9110 (phone) Customer No. 23400